

IN THE CLAIMS:

Please amend the claims as follows:

1. (Currently Amended) ~~A system~~An apparatus ~~that effectuates receive diversity within a mobile communication device,~~ comprising:

a first antenna that facilitates reception of signals in at least ~~one of a~~ first frequency ~~PCS band, a cellular band, a Korean PCS band, and a China PCS band;~~ and

a second antenna that facilitates reception of signals in a ~~GPS~~second frequency band and at least ~~one of the~~ first frequency band ~~bands~~ received by the first antenna, wherein tuning of the second antenna depends upon a signal type relayed to the second antenna.

2. (Currently Amended) The ~~system~~apparatus of claim 1, wherein the second antenna is selectively tuned to receive signals in at least ~~one of the~~ first frequency band ~~bands~~ received by the first antenna when reception of signals in a ~~GPS~~ the second frequency band is not desirable.

3. (Currently Amended) The ~~system~~apparatus of claim 1, wherein the second antenna is a top-mounted inverted F-antenna.

4. (Currently Amended) The ~~system~~apparatus of claim 3, wherein the top-mounted inverted F-antenna exhibits circular polarization characteristics.

5. (Currently Amended) The ~~system~~apparatus of claim 1, further comprising:

a first tuning component that facilitates tuning the second antenna for reception of signals in a ~~GPS~~the second frequency band; and

a second tuning component that facilitates tuning the second antenna for reception of signals in at least ~~one of the~~ first frequency band ~~bands~~ received by the first antenna.

6. (Currently Amended) The ~~system~~apparatus of claim 5, further comprising a ~~RF~~radio frequency switch that facilitates coupling the second antenna to one of the first tuning component and a second tuning component.

7. (Currently Amended) The systemapparatus of claim 5, the ~~R~~Fradio frequency switch being one of a PIN-diode, a ~~MEMS~~micro electro-mechanical system switch, and a ~~FET~~field effect transistor switch.

8. (Currently Amended) The systemapparatus of claim 1, further comprising:

a first receiving component that facilitates at least one of transduction, modulation, and processing of a signal in at least ~~one of the~~ first frequency band ~~bands~~ received by the first antenna; and

a second receiving component that facilitates at least one of transduction, modulation, and processing of a ~~GPS-signal~~ in the second frequency band.

9. (Currently Amended) The systemapparatus of claim 8, further comprising a ~~R~~Fradio frequency switch that facilitates coupling the second antenna to one of the first receiving component and the second receiving component.

10. (Currently Amended) The systemapparatus of claim 9, the ~~R~~Fradio frequency switch being one of a PIN-diode, a ~~MEMS~~micro electro-mechanical system switch, and a ~~FET~~field effect transistor switch.

11. (Currently Amended) The systemapparatus of claim 1, further comprising a component that determines frequency of a signal desirably received by the second antenna.

12. (Currently Amended) The systemapparatus of claim 1, further comprising an emergency component that automatically configures the second antenna to receive a ~~GPS-signal~~ in the second frequency band upon transmitting data to an emergency number.

13. (Currently Amended) A mobile telephone comprising the systemapparatus of claim 1.

14. (Currently Amended) The systemapparatus of claim 1, the second antenna comprising a radiating antenna element that is coupled to a transmission line, wherein length of the transmission line is selectable between at least two lengths.

15. (Currently Amended) The ~~system~~apparatus of claim 1, the second antenna being at least one of a ~~PIFA~~planar inverted-F antenna, whip antenna, microstrip antenna, L-plane antenna, monopole antenna, E-plane antenna, dielectric resonator antenna, and helix antenna.

16. (Currently Amended) The ~~system~~apparatus of claim 1, further comprising:

a first switch that couples one of a first tuning component and a second tuning component to the second antenna, wherein the first tuning component facilitates reception of a GPS-signal in the second frequency band on the second antenna and the second tuning component facilitates reception of a signal in at least ~~one of the~~ first frequency band ~~bands~~-received by the first antenna on the second antenna;

a second switch that couples one of a first receiving component and a second receiving component to the second antenna, wherein the first receiving component facilitates one of transduction, modulation, and processing of a ~~GPS~~the signal in the second frequency band and the second receiving component facilitates one of transduction, modulation, and processing of a the signal in at least one of the first frequency band ~~bands~~-received by the first antenna; and

a control component that relays commands to at least one of the first switch and second switch to facilitate a desirable coupling, the coupling based at least in part upon a type of signal desirably received by the second antenna.

17. (Currently Amended) A method ~~for effectuating receive diversity within a mobile communication device~~, comprising:

providing a first antenna that facilitates reception of a signal in at least ~~one of a first frequency-PCS band, a cellular band, a Korean PCS band, and a China PCS band;~~

providing a second antenna that facilitates reception of a signal in a ~~GPS~~ second frequency band;

determining whether a signal in the second frequency band ~~a GPS band~~ is desirably received by the second antenna; and

tuning the second antenna to facilitate reception of a signal in at least ~~one of the first frequency band~~ bands-received by the first antenna if reception of a signal in a ~~GPS~~ the second frequency band is not desirable.

18. (Original) The method of claim 17, further comprising altering a length of a transmission line associated with the second antenna to tune the second antenna.

19. (Original) The method of claim 17, further comprising altering an electrical length of a resonating element associated with the second antenna to tune the second antenna.

20. (Currently Amended) The ~~system~~method of claim 17, further comprising tuning the second antenna to receive a signal in a ~~GPS~~ the second frequency band if a signal in a ~~GPS~~the second frequency band is desirably received by the second antenna.

21. (Currently Amended) A method ~~for modifying a mobile communication device to enable receive diversity~~, comprising:

providing a mobile communication device that includes a first antenna tuned to receive a signal in at least ~~one of a first frequency PCS band, a cellular band, a Korean PCS band, and a China PCS band, and a second antenna tuned to receive a signal in a GPS band~~;

coupling the second antenna to a first switch;

further coupling the first switch to one of a first tuning circuit that facilitates tuning the second antenna for reception of a signal in a ~~GPS~~second frequency band and a second tuning circuit that facilitates tuning the second antenna for reception of a signal in at least ~~one of the first frequency band~~ bands received by the first antenna;

coupling the second antenna to a second switch; and

further coupling the second switch to one of a first receiving component that facilitates one of processing, transduction, and modulation of a signal in a ~~GPS~~ the second frequency band and a second receiving component that facilitates one of processing, transduction, and modulation of a signal in at least ~~one of the first frequency band~~ bands received by the first antenna.

22. (Currently Amended) ~~A system~~An apparatus ~~that enables receive diversity to be existent within a mobile communication device~~, comprising:

means for configuring a first antenna to receive data in at least ~~one of a~~ first frequency band ~~PCS band, a cellular band, a Korean PCS band, and a China PCS band;~~

means for configuring a second antenna to receive ~~one of~~ data in at least ~~one of the~~ first frequency band ~~bands~~ received by the first antenna and GPS data in the second frequency band at a particular instance, the configuring of the second antenna based at least in part upon a type of signal desirably received by the second antenna.

23. (Currently Amended) The system apparatus of claim 22, the second antenna being a top-mounted inverted F antenna.

24. (Currently Amended) A system ~~that facilitates receive diversity within a mobile communication device~~, comprising:

a first antenna that facilitates reception of signals in at least two frequency bands;

a second antenna that facilitates reception of signals in a GPS second frequency band and ~~at least one of the frequency bands received by the first antenna;~~ and

a tuning component that dynamically tunes the second antenna to the frequency currently received by the first antenna for at least one frequency band when reception of a GPS signal in the second frequency band is not desirable.

25. (New) The apparatus of claim 1, wherein the first frequency band is a personal communication service band, a cellular band, a Korean personal communication service band, or a China personal communication service band.

26. (New) The apparatus of claim 1, wherein the second frequency band is a global positioning system band.